

(c) determining whether the sorted primitives are positioned within a current tile to be transmitted to a rasterizer; and

(d) determining an initial rasterization point within the sorted primitive.

29. (New) The method of Claim 28, wherein the position data includes x-coordinate and y-coordinate position data, and the sorting step comprises arranging the position data in y-coordinate order.

30. (New) The method of Claim 29, wherein the primitives are arranged in descending y-coordinate order.

31. (New) The method of Claim 29, wherein the primitives are arranged in ascending y-coordinate order.

32. (New) The method of Claim 28, wherein the position data includes x-coordinate and y-coordinate position data, and the sorting step comprises arranging the position data in x-coordinate order.

33. (New) The method of Claim 32, wherein the primitives are arranged in descending x-coordinate order.

34. (New) The method of Claim 32, wherein the primitives are arranged in ascending x-coordinate order.

35. (New) The method of Claim 28, wherein the position data includes x-coordinate and y-coordinate position data and the position determination step (c) further comprises:

(c1) comparing the x-coordinate position data with the corresponding coordinate position data of the current tile; and

(c2) discarding the primitive when the x-coordinate position is greater than the largest corresponding coordinate position of the current tile.

36. (New) The method of Claim 28, wherein the position data includes x-coordinate and y-coordinate position data and the position determination step (c) further comprises:

(c3) comparing the x-coordinate position data with the corresponding coordinate position data of the current tile; and

(c4) discarding the primitive when the x-coordinate position is less than the smallest corresponding coordinate position of the current tile.

37. (New) The method of Claim 28, wherein the position data includes x-coordinate and y-coordinate position data and the position determination step (c) further comprises:

(c5) comparing the y-coordinate position data with the corresponding coordinate position data of the current tile; and

(c6) discarding the primitive when the y-coordinate position is greater than the largest corresponding coordinate position of the current tile.

38. (New) The method of Claim 28, wherein the position data includes x-coordinate and y-coordinate position data and the position determination step (c) further comprises:

(c7) comparing the y-coordinate position data with the corresponding coordinate position data of the current tile; and

(c8) discarding the primitive when the y-coordinate position is less than the smallest corresponding coordinate position of the current tile.

39. (New) The method of Claim 28, wherein the initial rasterization determination step (d) further comprises:

(d1) generating an initial x-coordinate and an initial y-coordinate based on the corresponding x-coordinate and sorted y-coordinate of the primitive within the current tile.

40. (New) The method of Claim 39, wherein the initial rasterization determination step (d) further comprises:

(d2) generating the initial x-coordinate and y-coordinate based on the boundary region of the current tile.